

2005-Oct-20 14:51

From-XEROX

+5854235240

T-435 P.018/019 F-164

EXHIBIT B

10228957

XEROX

DATE

SUBJECT

hyperbranched PAE

PROJECT NO.

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40 $\text{H}_2\text{C}=\text{CH}-\text{CH}_2 + \text{CH}_2=\text{CH}-\text{CH}_2 + \text{H}_2\text{C}=\text{CH}-\text{CH}_2 + \text{H}_2\text{C}=\text{CH}-\text{CH}_2$
 BPA diCl-DPS $\xrightarrow[64]{\text{C}_2\text{CO}_2}$ THF t-BP
~~DMAc~~ /Toluene

branched PAE

10 case 1: no t-butyphenol (500ml scale, compare
to case of 15.75g THF)

(A) 22.5g DMAc
75g Toluene
38.73g BPA
48.77g diCl-DPS
63.33g C_2CO_2
7.08g THF

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case 2: with t-butyphenol (1000ml scale compare to
15.75g THF, chlorobenzene and case A)

30 450g DMAc
150g Toluene
77.45g BPA
97.43g diCl-DPS
140g C_2CO_2
15.75g THF
7.72g t-BP
35 + 29.55g diCl-DPS (addition to halogen
stochiometry)

WITNESSED AND UNDERSTOOD

SIGNED

DATE

WORK AND RECORD

SIGNED

DATE

SIGNED

DATE

DATE